Subject: Re: [External] Re: E033-065-25-00128 - New Hanover County Sheriff's Office

Date: 2025-05-21 19:20:22-04:00

From: Shelby Ferguson <shelby.ferguson@flocksafety.com>

To: "Hill; David B" <dbhill1@ncdot.gov>; jworley@columbussheriff.com

Cc: "Sanders; Larry D" <ldsanders1@ncdot.gov>; "Nichols (Volkert); Samuel C." <ext-scnichols1@ncdot.gov>; Travis Pierce <travis.pierce@flocksafety.com>; "Talley (Gannett Fleming); Anthony L" <ext-altalley@ncdot.gov>

Attach: image001.png, image002.png, NCDOT MASH Breakaway Pole - Signed.pdf

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Good Evening,

Please see the updated pole specs attached. I am also adding Captain Worley from the Columbus County Sheriff's Office to this email string so that we are not duplicating efforts here.

Please let us know if there are any additional comments or questions, we are very excited to get these moving forward.

Thanks everyone!

On Wed, May 14, 2025 at 10:22 AM Hill, David B <dbhill1@ncdot.gov<mailto:dbhill1@ncdot.gov>> wrote:
Good Morning,

I have been working with Justin Worley of Columbus County Sheriff's Office and our Geotech group to get a pole foundation approved for statewide use. Our Geotech group had some comments that were uploaded to the portal and shared with Justin as well. Those comments are attached. Once we get those revisions, I will forward on to Geotech and a foundation approval should be soon after. As of this email, I have not received any updated drawings to address these comments.

Please let me know if you have any questions or need anything else.

David Hill, E.I.T.
Encroachment Engineer
P: 919-707-7191
E: dbhill1@ncdot.gov<mailto:dbhill1@ncdot.gov>

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From: Shelby Ferguson <shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>>
Sent: Tuesday, May 13, 2025 6:04 PM
To: Sanders, Larry D <ldsanders1@ncdot.gov<mailto:ldsanders1@ncdot.gov>>
Cc: Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>>; Hill, David B <dbhill1@ncdot.gov<mailto:dbhill1@ncdot.gov>>; Travis Pierce <travis.pierce@flocksafety.com<mailto:travis.pierce@flocksafety.com>>; Talley (Gannett Fleming), Anthony L <ext-altalley@ncdot.gov<mailto:ext-altalley@ncdot.gov>>
Subject: Re: [External] Re: E033-065-25-00128 - New Hanover County Sheriff's Office

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Appreciate everyone’s assistance here. We are very excited to move forward.

As always, please reach out to me if you need anything

Have a great night!

On Tue, May 13, 2025 at 6:01 PM Sanders, Larry D <ldsanders1@ncdot.gov<mailto:ldsanders1@ncdot.gov>> wrote:
Greetings, Shelby,
I spoke with Clark. He and Mr. Dave Hill will hope to communicate and provide an update on the internal DOT processing tomorrow. I would expect one of them to relay any updates at that time.

Thanks for your patience!

Larry Sanders, MGIST, PE, CPM
State Encroachments Engineer
Utilities Unit<https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapps.ncdot.gov%2Fdot%2Fdirectory%2Fauthenticated%2FUnitPage.aspx%3Fid%3D10895&data=05%7C02%7Cext-scnichols1%40ncdot.gov%7C69dc6a1bcd9a458bbfb008dd98be268e%7C7a7681dcb9d0449a85c3ecc26cd7ed19%7C0%7C0%7C638834664966152236%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hc

GkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=lpwm7voRQDFD3fgSrGoPaMfJ%2Fpp7xKwB%2FQlsji8Mi3M%3D&reserved=0>
North Carolina Department of Transportation

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ldsanders1@ncdot.gov<mailto:ldsanders1@ncdot.gov>

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[cid:ii_196f520890e5b16b22]

From: Shelby Ferguson <shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>>
Sent: Tuesday, May 13, 2025 5:35 PM
To: Sanders, Larry D <ldsanders1@ncdot.gov<mailto:ldsanders1@ncdot.gov>>
Cc: Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>>; Hill, David B <dbhill1@ncdot.gov<mailto:dbhill1@ncdot.gov>>; Travis Pierce <travis.pierce@flocksafety.com<mailto:travis.pierce@flocksafety.com>>; Talley (Gannett Fleming), Anthony L <ext-altalley@ncdot.gov<mailto:ext-altalley@ncdot.gov>>
Subject: Re: [External] Re: E033-065-25-00128 - New Hanover County Sheriff's Office

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I believe he has been reaching out with no response or comments provided which is why I was wondering if this was something you could assist with.

Thank you!

On Tue, May 13, 2025 at 5:26 PM Sanders, Larry D <ldsanders1@ncdot.gov<mailto:ldsanders1@ncdot.gov>> wrote:
Clark,
Since I don’t have all the details, could you please reach out to Geotech unit again for review comment?

Thanks!

Larry Sanders, MGIST, PE, CPM
State Encroachments Engineer
Utilities Unit<https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapps.ncdot.gov%2Fdot%2Fdirectory%2Fauthenticated%2FUnitPage.aspx%3Fid%3D10895&data=05%7C02%7Cext-scnichols1%40ncdot.gov%7C69dc6a1bcd9a458bbfb008dd98be268e%7C7a7681dcb9d0449a85c3ecc26cd7ed19%7C0%7C0%7C638834664966196352%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=IbAklYiTZMuKWJQELnIp%2BSxvN8rxbCcUEtv%2BHEeMepo%3D&reserved=0>
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6cd7ed19%7C0%7C0%7C638834664966221071%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=w07Md%2FwKhi2uS5LWlSImcQLQ4XOnFqyVh%2Bu8%2FDWl97E%3D&reserved=0>

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[cid:ii_196f520890e5b16b22]

From: Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>>
Sent: Tuesday, May 13, 2025 5:13 PM
To: Shelby Ferguson <shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>>; Sanders, Larry D <ldsanders1@ncdot.gov<mailto:ldsanders1@ncdot.gov>>; Hill, David B <dbhill1@ncdot.gov<mailto:dbhill1@ncdot.gov>>
Cc: Travis Pierce <travis.pierce@flocksafety.com<mailto:travis.pierce@flocksafety.com>>; Talley (Gannett Fleming), Anthony L <ext-altalley@ncdot.gov<mailto:ext-altalley@ncdot.gov>>
Subject: RE: [External] Re: E033-065-25-00128 - New Hanover County Sheriff's Office

Adding in David Hill & Anthony Talley

Samuel “Clark” Nichols, EI
Encroachments Engineer Consultant
Utilities Unit
North Carolina Department of Transportation

ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>
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From: Shelby Ferguson <shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>>
Sent: Tuesday, May 13, 2025 5:10 PM
To: Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>>; Sanders, Larry D <ldsanders1@ncdot.gov<mailto:ldsanders1@ncdot.gov>>
Cc: Travis Pierce <travis.pierce@flocksafety.com<mailto:travis.pierce@flocksafety.com>>
Subject: Re: [External] Re: E033-065-25-00128 - New Hanover County Sheriff's Office

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Mr. Sanders,

Is this something you can assist with? We are pending approval of our foundation.

Please let me know if anything is needed.

Thank you so much!

On Tue, May 13, 2025 at 4:57 PM Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>> wrote:
Good Afternoon,

Unfortunately I haven’t heard anything back yet. I followed up earlier and will let you know as soon as I hear back. We do not need anything else until we get feedback on the foundation.

Thank you,

Samuel “Clark” Nichols, EI
Encroachments Engineer Consultant
Utilities Unit
North Carolina Department of Transportation

ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>

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From: Shelby Ferguson <shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>>
Sent: Tuesday, May 13, 2025 2:21 PM
To: Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>>
Cc: Travis Pierce <travis.pierce@flocksafety.com<mailto:travis.pierce@flocksafety.com>>
Subject: Re: [External] Re: E033-065-25-00128 - New Hanover County Sheriff's Office

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Good Afternoon,

Have you heard anything back about the foundation approval? Is there anything else we need to provide here?

Thanks!

On Tue, Apr 29, 2025 at 10:20 AM Shelby Ferguson <shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>> wrote:
Thank you, please keep us posted.

On Mon, Apr 28, 2025 at 9:14 AM Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>> wrote:
Good Morning Shelby,

We haven’t heard back yet, but my co-worker sent a follow up email on Friday.

Samuel “Clark” Nichols, EI
Encroachments Engineer Consultant
Utilities Unit
North Carolina Department of Transportation

ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>
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Raleigh, NC 27610<https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.google.com%2Fmaps%2Fsearch%2F1000%2BBirch%2BRidge%2BDrive%2B%250D%250A%2BRaleigh%2C%2BNC%2B27610%3Fentry%3Dgmail%26source%3Dg&data=05%7C02%7Cext-scnichols1%40ncdot.gov%7C69dc6a1bcd9a458bbfb008dd98be268e%7C7a7681dcb9d0449a85c3ecc26cd7ed19%7C0%7C0%7C638834664966294129%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMiIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C%7C&sdata=a1lpRVQrVp8%2BdQ7lHKrL3KPgN82Lbc8MxNT5ZJtI748%3D&reserved=0>

From: Shelby Ferguson <shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>>
Sent: Wednesday, April 23, 2025 6:11 PM
To: Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>>; Travis Pierce <travis.pierce@flocksafety.com<mailto:travis.pierce@flocksafety.com>>
Subject: Re: [External] Re: E033-065-25-00128 - New Hanover County Sheriff's Office

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Good Afternoon,

Have we received any feedback on the foundation? Thank you!

On Fri, Apr 11, 2025 at 9:57 AM Shelby Ferguson <shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>> wrote:
Good Morning, Thank you so much - I look forward to hearing from you.

On Fri, Apr 11, 2025 at 9:51 AM Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>> wrote:
Good Morning Shelby,

1. Looking closer, yes it appears this is sufficient.
2. I will reach out to our Geotech Unit for a comment and let you know as soon as I hear back.

Thank you,

Samuel “Clark” Nichols, EI
Encroachments Engineer Consultant
Utilities Unit
North Carolina Department of Transportation

ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>
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From: Shelby Ferguson <shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>>
Sent: Thursday, April 10, 2025 4:03 PM
To: Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>>
Subject: Re: [External] Re: E033-065-25-00128 - New Hanover County Sheriff's Office

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Hi there,

As discussed my questions are below.

1. A lateral stability check using LPile or similar that checks deflection. Loads (wind load) would be provided by the structural engineer.

I believe that this was provided on page 10-28 - could you please confirm or let me know if you are looking for something else here?

2. A foundation detail showing the foundation type, all details, and a method of installation. In the past we have seen some try to do a method where the hole is backfilled with soil and compacted around the pole. This would not be allowed. We would want to see a drilled pier type foundation.

We are promising a 42" concrete foundation. Our installation does not consist of drilling. Can you confirm this would be sufficient? See Spec.03.

Thank you!

On Thu, Apr 10, 2025 at 3:42 PM Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>> wrote:
Good Afternoon Shelby,

You would need to move Location 2 to west of Brierwood Rd, or east of market St. The project runs along the majority of Gordon Rd. I have attached the first and last plan views to show the beginning and end of the project.

The pole design you submitted is now on the pre-approved list for poles as of this morning.

We have received the requirements from our Geotech Unit for foundation Requirements. Please submit the following:

1. A lateral stability check using LPile or similar that checks deflection. Loads (wind load) would be provided by the structural engineer.
2. A foundation detail showing the foundation type, all details, and a method of installation. In the past we have seen some try to do a method where the hole is backfilled with soil and compacted around the pole. This would not be allowed. We would want to see a drilled pier type foundation.
3. A site specific subsurface boring is not required, but we would want the following assumed soil parameters and notes added to the plans:

* The pole foundation design is based on the following in-situ assumed soil parameters

i. Unit Weight = 110 pcf

ii. Friction Angle = 0 deg

iii. Cohesion = 160 psf

iv. Depth to Groundwater Table = ?? ft

v. Any other soil parameter that was assumed in the design.

* “If the assumed soil parameters, assumed ground water table, or assumed standard single pole design are not applicable, a site specific design is required.”

1. Add “THE DRAWINGS AND DESIGN CALCULATIONS SHOULD ALSO BE SENT TO NCDOT SIGNAL DESIGN SECTION FOR REVIEW AND APPROVAL” Note on plans

Please let me know if you have any further questions.

Thank you,

Samuel “Clark” Nichols, EI

Encroachments Engineer Consultant
Utilities Unit
North Carolina Department of Transportation

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From: Shelby Ferguson
<shelby.ferguson@flocksafety.com<mailto:shelby.ferguson@flocksafety.com>>
Sent: Wednesday, April 9, 2025 1:23 PM
To: Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>>
Subject: [External] Re: E033-065-25-00128 - New Hanover County Sheriff's Office

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Hi Clark,

Can you let me know where we need to move location 2 to be out of the work zone?

For the locations in future projects, we will relocate them prior to work beginning, we just ask for a 60 day notice to be able to relocate it.

Thanks!

On Mon, Apr 7, 2025 at 4:17 PM Nichols (Volkert), Samuel C. <ext-scnichols1@ncdot.gov<mailto:ext-scnichols1@ncdot.gov>> wrote:
Good Afternoon Shelby,

I have reached out to project staff about potential STIP conflicts with the 7 locations. Most locations are not in direct conflict, but some may need to be relocated in the future (2-4 years) at the applicants expense.

Site 2 is in conflict with 2 STIPs under active construction. You would need a hold-harmless letter from the Contractor (ST. Wooten) to work inside U-6202. I-6039 is an active rehabilitation project and will also need to be coordinated around. Please let me know if you if you plan to pursue a hold-harmless letter, or move this location out of the active STIPs.

Site 4 has a projected Let date of 8/21/2029 (with relocation to start before this).

Site 6 has a projected Let date of 3/20/2029 (with relocation to start before this).

Thank you,

Samuel “Clark” Nichols, EI
Encroachments Engineer Consultant
Utilities Unit
North Carolina Department of Transportation

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